

METHOD FOR DIAGNOSIS OF AND PROGNOSIS FOR DAMAGED TISSUE

ABSTRACT OF THE DISCLOSURE

Tissue is analyzed by acquiring multiple sets of magnetic resonance signals from a stationary body part, organ or tissue, quantizing the signals pixel by pixel within an area of interest, determining at least one magnetic resonance parameter in each pixel, and correlating the determined magnetic resonance parameter with predetermined magnetic resonance parameters that have been correlated with selected biological parameters of the body part, organ or tissue. The magnetic resonance parameter can be longitudinal relaxation time, transverse relaxation time, magnetization transfer, or magnetization ratio. The determined quantized magnetic parameter may be coded by color or otherwise with regard to the selected biological parameter and spatially displayed.

PA 3136445 v1

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